



CITRUS MATURITY TEST RESULTS

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September 10, 2010

Results of the first orange and grapefruit maturity tests for the 2010-2011 season are listed below. Only regular bloom fruit was selected for these tests. Fruit was picked from trees of various ages throughout the five areas of the citrus growing region on August 31 and September 1, 2010. Each sample was weighed, juiced, and tested in the Florida Agricultural Statistics Service (FASS) laboratory on September 2-3, 2010.

Over three-fourths of the white and colored grapefruit sample groves are located in the Indian River District while nearly 90 percent of the early-midseason orange sample groves are in the other four areas. Sample groves and trees remain relatively constant from season to season.

The percent of solids (Brix) is above the level of 2009-2010 for all fruit types except early oranges. Acid levels are higher than observed last season for all fruit types tested, resulting in ratios that are lower for oranges and white grapefruit. The ratio for colored grapefruit is slightly higher than last season and equal to the 2008-2009 ratio.

Unfinished juice per box is lower for both orange types and higher for both colored seedless and white seedless grapefruit. Solids per box is the lowest in this series for both orange types but the highest since 2006-2007 for both grapefruit types.

Results on this page are averages for the State. The table on page two reports averages for the Indian River District separately from the other areas. The percent of acid and solids are higher in fruit from the Indian River District while the pounds of unfinished juice per box are lower. The next monthly maturity and yield test results will be in the forecast release on October 8, 2010, and will include late oranges.

Citrus Unadjusted Maturity Tests by Type, September 1 – Florida: Crop Years 2006-2007 through 2010-2011

[Averages of regular bloom fruit from sample groves. Juice and solids per box are unadjusted and not comparable to juice processing plant test results. All samples were run through an FMC 091 machine using mechanical pressure only. This machine utilizes a 0.040 short strainer and standard 5/8 inch orifice tube. The beam settings are also identical to past tests and no restrictors are used]

Crop year	Groves sampled (number)	Acid (percent)	Solids (Brix) (percent)	Ratio	Unfinished juice per box (pounds)	Solids per box (pounds)
Early Oranges						
2006-2007	120	1.70	9.45	5.66	42.50	4.00
2007-2008	120	1.75	9.45	5.51	40.93	3.86
2008-2009	120	1.45	9.25	6.51	46.91	4.34
2009-2010	120	1.54	9.25	6.11	42.04	3.89
2010-2011	120	1.67	9.19	5.55	41.62	3.82
Midseason Oranges						
2006-2007	55	1.81	9.29	5.25	42.81	3.98
2007-2008	55	1.99	9.63	4.91	41.52	4.00
2008-2009	55	1.66	9.00	5.49	45.09	4.06
2009-2010	55	1.72	9.23	5.45	42.79	3.95
2010-2011	55	1.99	9.34	4.91	40.86	3.81
White Seedless Grapefruit						
2006-2007	50	1.86	10.47	5.63	32.12	3.36
2007-2008	50	1.94	10.17	5.30	30.64	3.11
2008-2009	50	1.70	9.53	5.61	30.94	2.95
2009-2010	50	1.75	9.79	5.60	31.48	3.08
2010-2011	50	1.88	10.19	5.45	31.82	3.24
Colored Seedless Grapefruit						
2006-2007	50	1.85	10.43	5.64	32.04	3.33
2007-2008	50	1.96	10.53	5.39	30.51	3.21
2008-2009	50	1.70	9.79	5.80	32.52	3.18
2009-2010	50	1.75	10.06	5.78	31.49	3.17
2010-2011	50	1.82	10.33	5.80	31.99	3.30

Citrus Fruit Maturity Test Averages, by Area – Florida: September 1, 2010

Fruit type	Groves sampled (number)	Acid (percent)	Solids (Brix) (percent)	Ratio	Unfinished juice per box (pounds)	Solids per box (pounds)
ORANGES:						
Early						
Indian River.....	9	1.73	9.52	5.60	40.24	3.83
Other Areas.....	111	1.67	9.16	5.54	41.73	3.82
Midseason						
Indian River.....	11	2.18	9.54	4.44	36.89	3.52
Other Areas.....	44	1.94	9.29	5.03	41.85	3.88
GRAPEFRUIT:						
White Seedless						
Indian River.....	38	1.91	10.29	5.38	31.40	3.23
Other Areas.....	12	1.76	9.90	5.65	33.18	3.29
Colored Seedless						
Indian River.....	40	1.83	10.43	5.86	31.44	3.28
Other Areas.....	10	1.80	9.92	5.53	34.23	3.39

